What We Claim Is:

- 1. A method for carrying out upshifting from an initial gear into a target gear in a twinclutch transmission of a vehicle, wherein, when an incorrectly pre-selected target gear is detected, the engine torque (M_{Motor}) of the vehicle is modified in such a manner that the output torque (M_{Output}) is reduced if the correct target gear is engaged.
- 2. The method as described in Claim 1, wherein the engine torque (M_{Motor}) is decreased at the beginning of a pulling upshift until the target gear is engaged and the engine torque (M_{Motor}) is thereafter increased to a driver's desired torque (M_{FW}) .
- 3. The method as described in Claim 1, wherein the engine torque (M_{Motor}) is maximally decreased to a reduced engine torque (M_{Red}) .
- 4. The method as described in Claim 3, wherein the reduced engine torque (M_{Red}) is determined according to the following equation:

$$M_{\text{Re}\,d} = M_{FW} \left(1 - \frac{i_{alt} - i_{neu}}{i_{alt}} \right)$$

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 M_{FW} = driver's desired torque;

 i_{alt} = ratio of the initial gear;

 i_{neu} = ratio of the target gear.

- 5. The method as described in Claim 1, wherein in a first phase, when an incorrectly preselected target gear is detected, a maximum engine torque (M_{Red}) to be reduced is determined, if the engine torque (M_{Motor}) is greater than the maximum engine torque (M_{Red}) to be reduced, the engine setpoint torque (M_{Mot_soll}) is decreased to the reduced engine torque (M_{Red}) until the target gear is engaged, if the engine torque (M_{Motor}) corresponds to the maximum engine torque to be reduced (M_{Red}), the system waits until the target gear is engaged, the first phase being terminated by the engagement of the target gear, and in a second phase a crossover is carried out, the engine torque (M_{Motor}) being increased to a driver's desired torque (M_{FW}).
 - 6. The method as described in Claim 5, wherein at the beginning of the second phase a check is made of whether the engine torque (M_{Motor}) is less than the driver's desired torque (M_{FW}); if so, the engine setpoint torque ($M_{Mot\ soll}$) is increased until the driver's desired torque

(M_{FW}) is reached, and then the particular clutch torques (M_Kupp1, M_Kupp2) on the clutches are determined, the second phase thereafter being terminated.

7. A twin-clutch transmission for a vehicle, especially for carrying out the method as described in Claim 1, wherein at least one device is provided for detecting an incorrectly preselected target gear and for changing the engine torque (M_{Motor}) .

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